

CONSOLE MANAGEMENT CONTROLLER SMOKE SENSOR KIT

Installation Instructions

*Read Instructions Completely Before
Beginning Installation Procedures*



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About This Device

These instructions serve as an outline to assist qualified personnel with the installation of the smoke sensor option for the Compaq Console Management Controller (CMC).

This sensor receives 24VDC power from the CMC and provides an alarm signal output. This alarm is activated if smoke is detected or if the fan speed falls out of range.

This smoke sensor is used with certified information technology equipment.



Important Safety Information **Read Before Installing Product**

Please refer to the *Important Safety Information* (guide included with this option kit) before installing this product.

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS - This document contains important instructions for the CMC Smoke Sensor kit that should be followed during installation.

Kit Contents

- Smoke sensor
 - ☐ Sensor module (1)
 - ☐ Sampling tube (4 sections)
 - ☐ Tube couplings (4)
 - ☐ End cap (1)
- Mounting hardware
 - ☐ Tube bracket
 - ☐ Screws
 - ☐ Washers
 - ☐ Nut
- Sensor cable (RJ-12 to RJ-12)

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INSTALLATION INSTRUCTIONS

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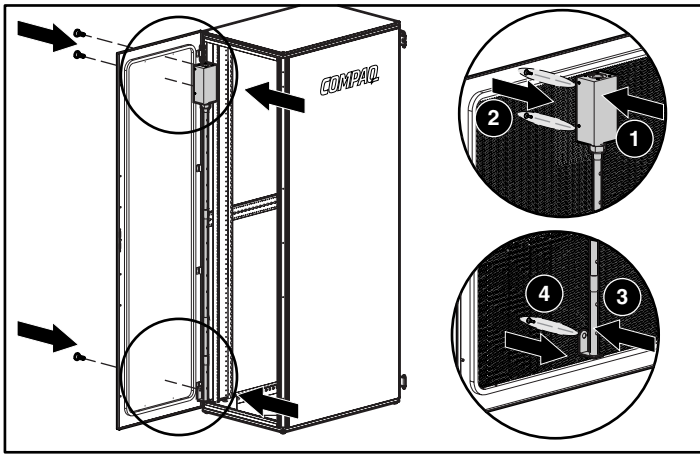
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Installing the Smoke Sensor

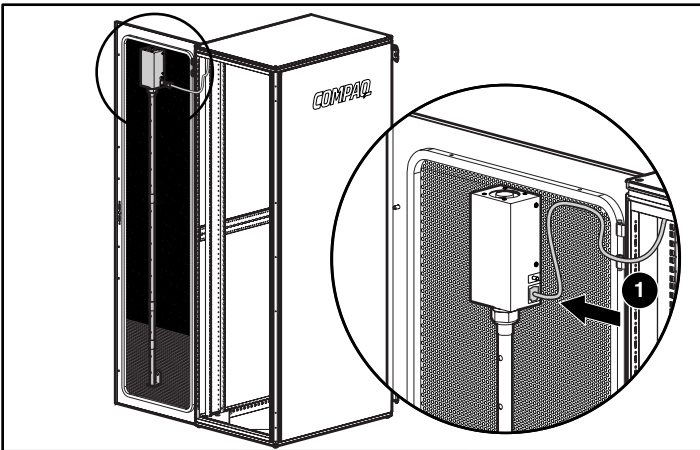
1. Place the smoke sensor ❶ on the rear rack door. Then place the screws with washers ❷ through the holes in the door and secure the sensor.

IMPORTANT: For the smoke sensor to be effective, the sampling tube must be placed in the path of the exhaust air from the equipment within the rack.

2. Install a tube coupling on a section of the sampling tube. Insert the coupling into the smoke sensor. Position the holes in the tube to face the equipment in the rack. Hand tighten the connection of the coupling and smoke sensor.
3. Extend the length of the sampling tube until the tube reaches the bottom of the door, by using couplings.
4. Insert the plastic end cap on the bottom of the tube to secure the bracket to the end of the tube ❸.
5. Align the bottom tube ❹ vertically with the sensor ❶.
6. Insert a screw ❷ (with washer) through the hole in the door and fasten it to the tube bracket ❸ using a nut.

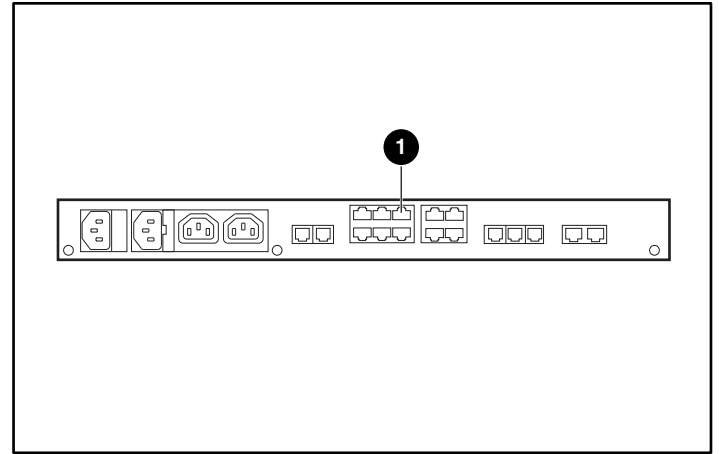


7. Route the sensor cable through the rack.
8. Attach the cable to the rack with the stick-on cable retention clips or tie wraps included in the CMC basic unit.
9. Connect the cable to the sensor ❶.



Connecting the Smoke Sensor to the CMC

1. Power off the CMC, then connect the smoke sensor cable to port ❶ as shown below.
2. Power on the CMC. The CMC will automatically recognize the smoke sensor. The fan in the smoke sensor will turn on.



Configuring the Software

Configure the alert handling for the smoke sensor using the Compaq Intelligent Rack Manager Lite software provided with the CMC kit (see the *Console Management Controller User Guide*).

Operation

Smoke passing by the sampling tube will be drawn into the optical smoke sensor by the fan. The smoke sensor can take up to 20 seconds to trigger an alarm to the CMC. The sampling tube must be placed in the path of the exhaust air from the rack equipment.

If smoke is detected, the sensor fan will automatically shut off. After the smoke has cleared, the sensor can be reset by pressing the RESET button for three seconds.

The sensor will not detect smoke if the fan stops running or runs too slowly. A fan fault like this will also trigger a smoke alarm. A smoke alarm should be investigated to determine whether smoke is present or a fan fault occurred.

Maintenance

Keep the sampling tube and holes clean and clear of dust and debris at all times.

Check the smoke sensor at least once per year. Use smoke testing supplies to check and verify proper unit functionality.

Compaq recommends replacing the smoke sensor after the sensor detects smoke. Contact an authorized Compaq representative for ordering details.

Installation is complete.